

International application No.  
PCT/AU2004/000522

<b>A. CLASSIFICATION OF SUBJECT MATTER</b> Int. Cl. <sup>7</sup> : G06F 17/30 According to International Patent Classification (IPC) or to both national classification and IPC												
<b>B. FIELDS SEARCHED</b> Minimum documentation searched (classification system followed by classification symbols) Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) DWPI: IPC G06F 17/30 and keywords: schema, relational, hierarchical, table, value, dbms, and similar terms; Google: keywords												
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>												
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.										
X	US 6470343 B (O'BRIEN et al.) 22 October 2002 Entire document, see in particular figures 2, 3 and column 3 lines 1-56	1-22										
X	Sankar K. Chapter 43 Databases Introduced (online), (retrieved on 14 April 2001). Retrieved from the Internet <URL:http://web.archive.org/web/20010414081553/http://docs.rinet.ru/UJ11/ch43.htm> Entire document	1-22										
X	US 5940818 A (MALLOY et al.) 17 August 1999 Entire document, see in particular figure 4 and column 2 line 43 to column 3 line 18	1-22										
<input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C <input checked="" type="checkbox"/> See patent family annex												
* Special categories of cited documents: <table border="0"> <tr> <td>"A" Document defining the general state of the art which is not considered to be of particular relevance</td> <td>"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</td> </tr> <tr> <td>"E" Earlier application or patent but published on or after the international filing date</td> <td>"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</td> </tr> <tr> <td>"L" Document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</td> <td>"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art</td> </tr> <tr> <td>"O" Document referring to an oral disclosure, use, exhibition or other means</td> <td>"&amp;" document member of the same patent family</td> </tr> <tr> <td>"P" Document published prior to the international filing date but later than the priority date claimed</td> <td></td> </tr> </table>			"A" Document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention	"E" Earlier application or patent but published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone	"L" Document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art	"O" Document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family	"P" Document published prior to the international filing date but later than the priority date claimed	
"A" Document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention											
"E" Earlier application or patent but published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone											
"L" Document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art											
"O" Document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family											
"P" Document published prior to the international filing date but later than the priority date claimed												
Date of the actual completion of the international search 25 June 2004		Date of mailing of the international search report 05 JUL 2004										
Name and mailing address of the ISA/AU AUSTRALIAN PATENT OFFICE PO BOX 200, WODEN ACT 2606, AUSTRALIA E-mail address: pct@ipaustralia.gov.au Facsimile No. (02) 6285 3929		Authorized officer  JOHN THOMSON Telephone No : (02) 6283 2214										

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5729730 A (WLASCHIN et al.) 17 March 1998 Entire document, see in particular column 2 line 61 to column 3 line 6	1-22
X	US 5201046 A (GOLDBERG et al.) 6 April 1993 Entire document, see in particular figure 4 and column 4 line 53 to column 5 line 20	1-22

Information on patent family members

International application No.

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This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report		Patent Family Member			
US	6470343	GB	2334601		
US	5940818	NONE			
US	5729730	AU	27260/97	AU	49104/96
		AU	63468/96	CA	2212235
		CA	2252087	EP	0818010
		EP	0976063	EP	1101176
		US	5850522	US	5893087
		US	6163775	US	6182121
		WO	9624102	WO	9630845
				AU	54635/99
				CA	2216719
				EP	0843859
				US	5790848
				US	6151604
				WO	0025235
				WO	9738380
US	5201046	NONE			
Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.					
END OF ANNEX					